

09-27-01  
10/22/01  
U.S. PTO

09-27-01

DOCKET NO.: 19603/3356 (CRF D-1595F)  
EXPRESS MAIL NO.: EL710758050US

A  
Barany

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

UTILITY PATENT APPLICATION TRANSMITTAL FORM  
(only for new nonprovisional applications under 37 CFR 1.53(b))

09-27-01  
U.S. PTO  
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09/26/01

COMMISSIONER FOR PATENTS  
Washington, D.C. 20231  
BOX: PATENT APPLICATION

SIR:

Transmitted herewith for filing is the patent application (including Specification, Claims, and Abstract, 90 pages) of:

Inventor(s): **Francis Barany, George Barany, Robert P. Hammer, Maria Kempe, Herman Blok, Monib Zirvi**

For : **DETECTION OF NUCLEIC ACID SEQUENCE DIFFERENCES USING THE LIGASE DETECTION REACTION WITH ADDRESSABLE ARRAYS**

*\*\*If a CONTINUING APPLICATION, please mark where appropriate and supply the requisite information below and in a preliminary amendment:*

Continuation  Divisional  Continuation-In-Part (CIP)  
of prior application Serial No. 08/794,851

Prior application information: Examiner : **P. Ponnaluri**  
Art Unit : **1627**

Enclosed are:

- 34 sheets of formal drawings with submission document.
- Signed Combined Declaration and Power of Attorney (\_\_\_\_ pages).
- Copy of signed Combined Declaration and Power of Attorney (8 pages) from a prior application (1.63(d) (for continuation/divisional).
- Signed statement deleting inventor(s) named in prior application (\_\_\_\_ pages) (1.63(d)(2) and 1.33(b)).
- Incorporation By Reference: The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied herewith, is considered as being part of the disclosure of the enclosed application and is hereby incorporated by reference therein.
- Assignment (\_\_\_\_ pages) of the invention to \_\_\_\_\_.
- Assignment Transmittal Letter.
- Certified copy of a foreign priority document.
- Associate power of attorney.
- Applicant claims small entity status. (See 37 CFR 1.27.)

Preliminary Amendment (5 pages) with Appendix A (4 pages).

Information Disclosure Statement, form PTO-1449 (8 pages) and 84 references (references not attached).

**UNSigned** Combined Declaration and Power of Attorney (\_\_\_\_ pages).

Statement in Accordance with 37 CFR § 1.821(f) and computer readable 3.5" Diskette.

Paper copy of Sequence Listing (5 pages).

A self-addressed, prepaid postcard acknowledging receipt.

Other:

The Filing fee has been calculated as shown below:

(Col. 1)		(Col. 2)
FOR:	NO. FILED	NO. EXTRA
BASIC FEE	XXXXXXX	XXXXXXX
TOTAL CLAIMS	18 - 20 =	0
INDEP CLAIMS	1 - 3 =	0
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENTED		

\*If the Total Claims are less than 20 and Indep. Claims are less than 3, enter "0" in Col. 2

SMALL ENTITY		LARGE ENTITY	
RATE	FEES	RATE	FEES
XXXX	\$355	XXXX	\$710
x 9 =	\$	x 18 =	\$
x 40=	\$	X80 =	\$
x135=	\$	x270 =	\$
TOTAL	\$	OR	TOTAL
		OR	\$710

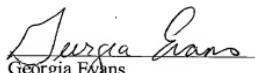
A check in the amount of **\$710.00** to cover the filing fee is enclosed.

The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-1138. **A duplicate copy of this sheet is enclosed.**

Address all future communications to:

Michael L. Goldman  
NIXON PEABODY LLP  
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Rochester, New York 14603

Date: September 26, 2001

  
Georgia Evans  
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NIXON PEABODY LLP  
Clinton Square, P.O. Box 31051  
Rochester, New York 14603  
Telephone: (716) 263-1672  
Facsimile: (716) 263-1600

**EXPRESS MAIL CERTIFICATE**

DOCKET NO.: **19603/3356 (CRF D-1595F)**

APPLICANTS: **Francis Barany, George Barany, Robert P. Hammer,  
Maria Kempe, Herman Blok, and Monib Zirvi**

TITLE: **DETECTION OF NUCLEIC ACID SEQUENCE  
DIFFERENCES USING THE LIGASE DETECTION  
REACTION WITH ADDRESSABLE ARRAYS**

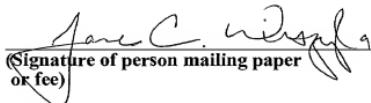
Certificate is attached to the **Utility Patent Application Transmittal Letter**  
**(2 pages)** of the above-named application.

EXPRESS MAIL NUMBER: **EL710758050US**

DATE OF DEPOSIT: **September 26, 2001**

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, Washington, D.C. 20231, Box: Patent Application.

Jane C. Wirszyla  
(Typed or printed name of person  
mailing paper or fee)

  
(Signature of person mailing paper  
or fee)

09963920-002601

### EXPRESS MAIL CERTIFICATE

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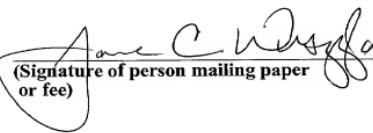
Certificate is attached to the **Preliminary Amendment (5 pages) with Appendix A (4 pages)** of the above-named application.

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Jane C. Wirszyla  
(Typed or printed name of person  
mailing paper or fee)

  
(Signature of person mailing paper  
or fee)

0106200-0963953920-006201

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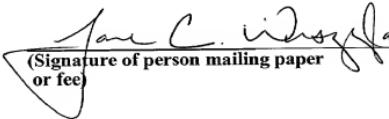
Certificate is attached to the **Patent Application including specification, claims,  
and abstract (90 pages)**, as filed in the prior application of the above-named application.

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Jane C. Wirszyla  
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09963920-092601

**EXPRESS MAIL CERTIFICATE**

DOCKET NO.: **19603/3356 (CRF D-1595F)**

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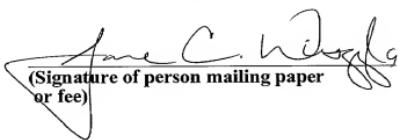
Certificate is attached to the copy of the **SIGNED Combined Declaration and  
Power of Attorney Form (8 pages)** as filed in the prior application of the above-named  
application.

EXPRESS MAIL NUMBER: **EL710758050US**

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Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date  
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Box: Patent Application.

Jane C. Wirszyla  
(Typed or printed name of person  
mailing paper or fee)

  
(Signature of person mailing paper  
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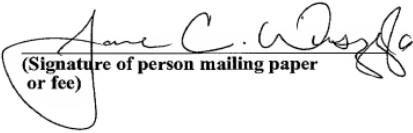
Certificate is attached to the **Submission of Formal Drawings with 34 sheets of  
drawings** of the above-named application.

EXPRESS MAIL NUMBER: **EL710758050US**

DATE OF DEPOSIT: **September 26, 2001**

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Jane C. Wirszyla  
(Typed or printed name of person  
mailing paper or fee)

  
(Signature of person mailing paper  
or fee)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) :	Barany et al.	)	Examiner:
Serial No. :	To Be Assigned	)	To Be Assigned
Cnfrm. No. :	To Be Assigned	)	Art Unit:
Filed :	Herewith	)	To Be Assigned
For :	DETECTION OF NUCLEIC ACID SEQUENCE )	)	
	DIFFERENCES USING THE LIGASE )	)	
	DETECTION REACTION WITH )	)	
	ADDRESSABLE ARRAYS )	)	

STATEMENT IN ACCORDANCE WITH 37 CFR § 1.821(f)

Commissioner for Patents  
Washington, D.C. 20231

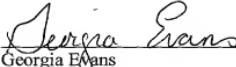
**Box: Patent Application**

Sir:

In accordance with 37 CFR § 1.821(f), this statement confirms that the contents of the Sequence Listing attached to the subject application as submitted herewith and on the computer readable 3.5" Diskette submitted herewith are the same.

Respectfully submitted,

Date: September 26, 2001

  
Georgia Evans  
Registration No. 44,597

NIXON PEABODY LLP  
Clinton Square, P.O. Box 31051  
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Facsimile: (716) 263-1600

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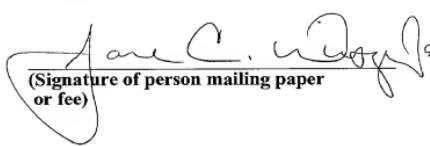
Certificate is attached to the **Statement in Accordance with 37 CFR § 1.821(f)**  
**(1 page), paper copy of Sequence Listing (5 pages) and computer readable 3.5" diskette**  
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